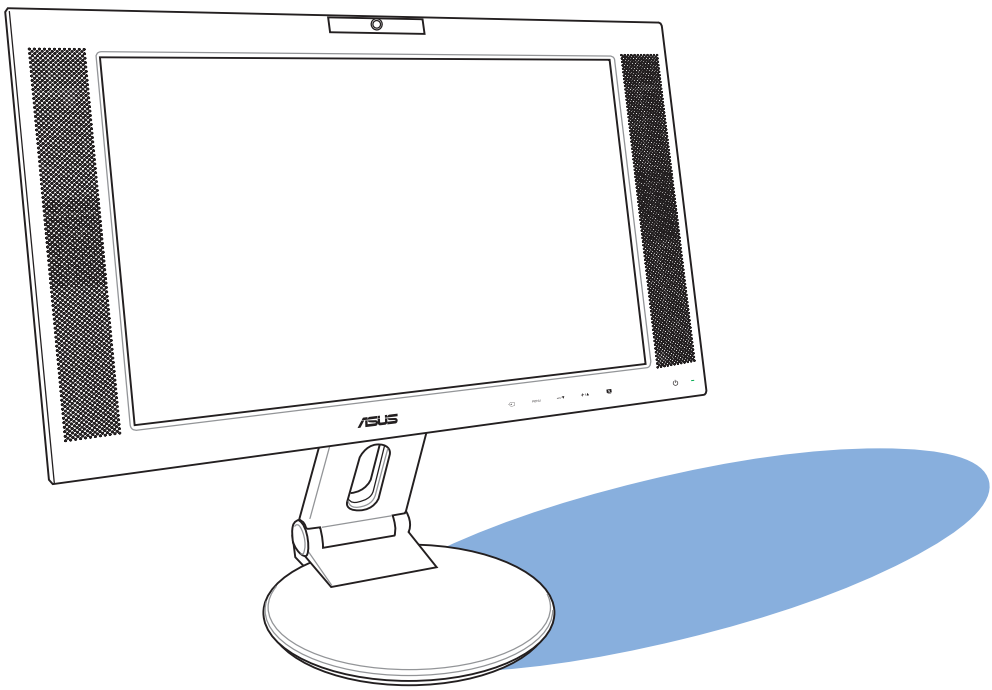
# PW201 LCD Monitor

*User Guide*



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# Notices

## Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**As an Energy Star® Partner, our company has determined that this product meets the Energy Star® guidelines for energy efficiency.**

## Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

**This class B digital apparatus complies with Canadian ICES-003.**

# Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extention cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.

## Care and Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

## The following symptoms are normal with the monitor:

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

### Conventions used in this guide

**WARNING:** Information to prevent injury to yourself when trying to complete a task.

**CAUTION:** Information to prevent damage to the components when trying to complete a task.

**IMPORTANT:** Information that you MUST follow to complete a task.

**NOTE:** Tips and additional information to aid in completing a task.

## Where to find more information

Refer to the following sources for additional information and for product and software updates.

### 1. ASUS websites

The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to http://www.asus.com

### 2. Optional documentation

Your product package may include optional documentation, such as warranty card, that may have been added by your dealer. These documents are not part of the standard package.

# Package contents

Check your PW201 LCD package for the following items:

- ✓ LCD monitor
- ✓ Quick Start Guide
- ✓ Support CD
- ✓ 1 x Power cord
- ✓ 1 x Power adapter
- ✓ 1 x VGA-Audio-USB 3-in-1 cable
- ✓ 1 x DVI cable
- ✓ 1 x RCA cable
- ✓ 1 x Rear connector cover

If any of the above items is damaged or missing, contact your retailer immediately.

# Chapter 1

This chapter gives a general description of the ASUS LCD monitor PW201. The chapter lists the monitor features including introduction on the front and rear panels as well as the side view.

Product introduction

## 1.1 Welcome!

Thank you for purchasing the ASUS® PW201 LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter display, plus a host of features that enhance your viewing experience. You can turn the ASUS® PW201 LCD monitor counterclockwise for portrait orientation, giving you a full view of documents and web pages, and saving you the trouble of having to scroll the bar while you read or surf the Internet. The PW201 also features a rotating swivel, adjustable tilt and height, and the glare panel that provides clearer and more vivid visual experience. The built-in 1.3 mega-pixel webcam on top of the LCD panel has both video recording and snapshot functions, allowing you to capture images, create videos, or hold a video conference! You can also link all kinds of USB devices easily with the accessible USB ports on the left side of the monitor.

Equipped with S-Video, Video, and Component inputs, the PW201 turns to be a multi-function monitor ready for all kinds of video applications such as video game console, DVD player, DV camcorder. Adding to the elegance and stylish functionality of the PW201 are smart sensor buttons on the front panel, which are shown in weak LED lights until you touch them.

With these features, you can enjoy the convenience and delightful visual experience that the PW201 brings you!

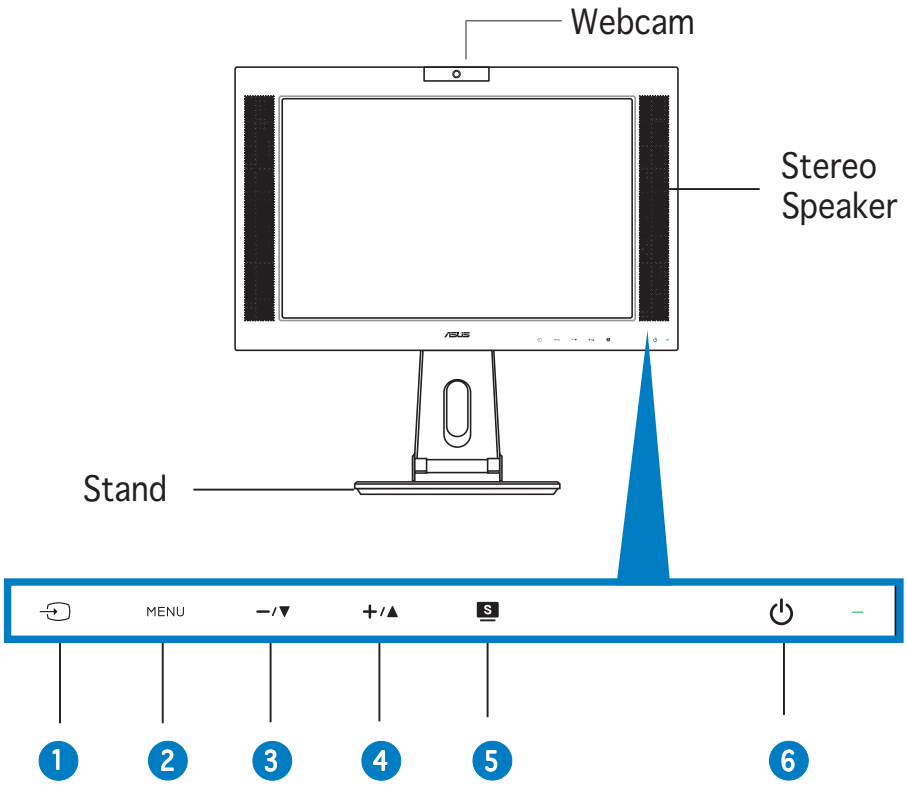
## 1.2 Features

- 20" widescreen LCD monitor
- Recommended resolution: 1680 X 1050
- Anti-reflection glare type panel
- 8ms (grey to grey) quick response time
- 3 USB 2.0 ports
- VGA/DVI/Video/S-Video/Component inputs
- Built-in 1.3 mega-pixel webcam
- SPLENDID™ Video Intelligence Technology
- 5 Video preset modes switched by hotkey
- 3 Skin-tones selection
- Flexible display orientation including portrait/landscape
- Tilt/height adjustment
- Swivel/90° rotation
- Kensington security lock
- 3W x 2 Stereo speakers and earphone output
- Microsoft® Windows 2000/XP compliance

- VESA Display Data Channel DDC2B compliance
- VESA wall mount compliance (100 x 100 mm)
- EPA ENERGY STAR® and ergonomic design
- Touch sensor buttons
- RoHS compliance

## 1.3 Monitor introduction

### Front view




The touch sensors are sensitive. Slightly touch the function you want to enable. Do not press the front panel too hard to prevent damage to the panel and the sensors.

1. **Sensor:**
   - This is a hotkey for the input sources. Touch this sensor to select the input source you need.
2. MENU **Sensor:**
   - Touch this sensor to enter/select the icon (function) highlighted while the OSD menu is activated.

3. **−/▼ Sensor:**
   - Touch this sensor to decrease the value of the function selected or move to the previous function.
   - This is also a hotkey for Volume adjustment.

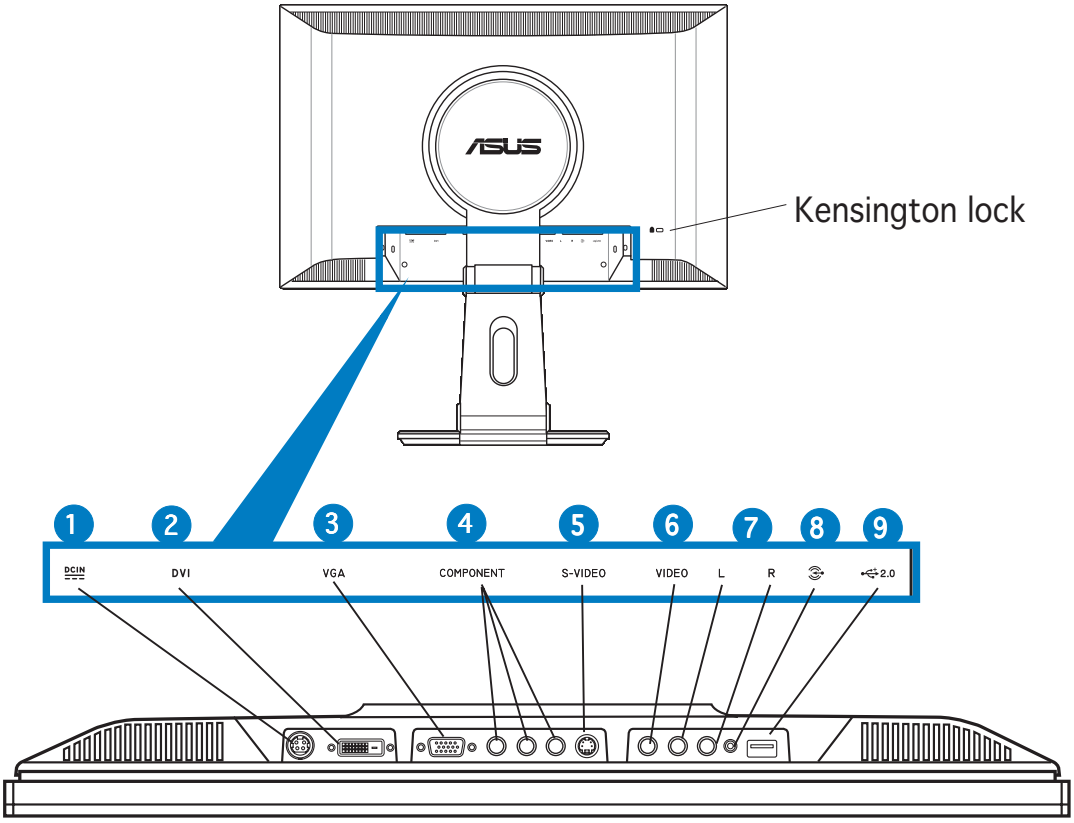
4. **+/▲ Sensor:**
   - Touch this sensor to increase the value of the function selected or move to the next function.
   - This is also a hotkey for Brightness adjustment.

5. **S Sensor:**
   - Use this hotkey to switch from five video preset modes (Game Mode, Night View Mode, Scenery Mode, Standard Mode, Theater Mode) with SPLENDID™ Video Intelligence Technology.
   - Touch this sensor exit the OSD menu or go back to the previous menu as the OSD menu is active.
   - Touch this sensor for 2 to 4 seconds to automatically adjust the image to its optimized position, clock, and phase.

6. **⏻ Power sensor/indicator**
   - Touch this sensor to turn the monitor on/off.

| Status | Description |
|---|---|
| Blue | ON |
| Amber | Standby mode |
| OFF | OFF |

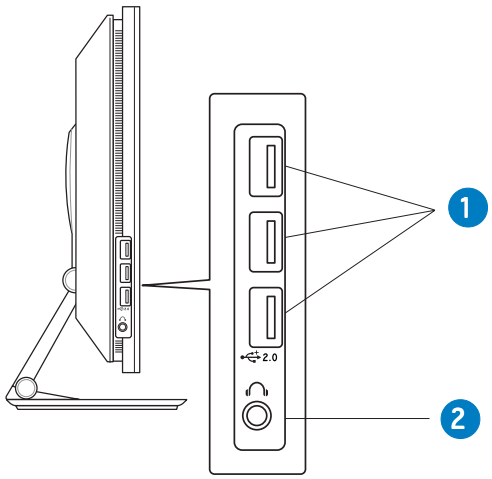
## Rear view




1. **DC-in port.** This port connects the power connector from the supplied power adapter.
2. **DVI port.** This 24-pin port is for a personal computer (PC) DVI-D digital signal connection.
3. **VGA port.** This 15-pin port is for PC VGA connection.
4. **Component input ports (YPbPr).** These ports connect the component cable, which usually has red, blue, and green colored plugs.
5. **S-Video port.** This port connects to an S-video cable.
6. **Video port.** This port connects your monitor to any kind of video source.
7. **L/R Audio ports.** These ports connect the left and right audio input cable plugs to any kind of audio source.
8. **PC Line-in port.** This port connects a PC audio source using the supplied 3-in-1 cable.
9. **USB port.** This port connects to the USB plug of the 3-in-1 cable to activate the webcam.

The component cable (YPbPr) and the S-Video cable are purchased separately.

## Side view




1. **USB 2.0 ports.** These three Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.
2. **Headphone port .** This port connects a headphone with a stereo mini-plug (3.5 mm).

The headphone is purchased separately.

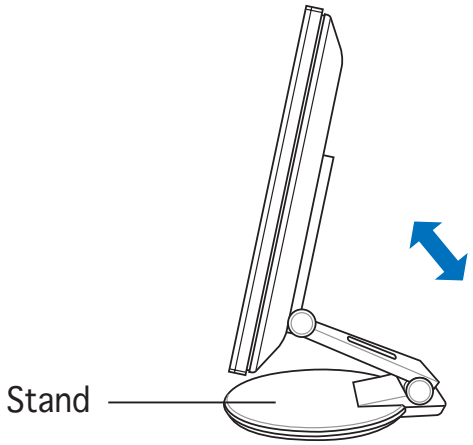
# Chapter 2

This chapter provides instructions on how to correctly connect cables, properly adjust the LCD monitor, and install the VESA wall mount.

Setup

## 2.1 Unfolding the monitor

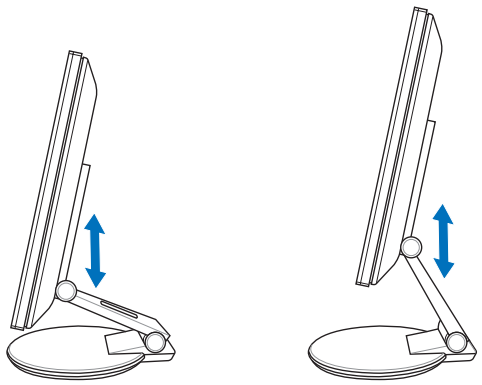
The monitor is folded in the package. To unfold the monitor, hold the stand with one hand and carefully tilt the monitor forward with the other hand.



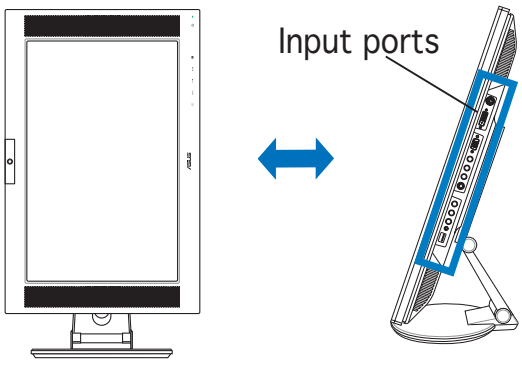

## 2.2 Connecting the cables

To connect the cables:

1. Adjust the monitor to your desired height and tilt.

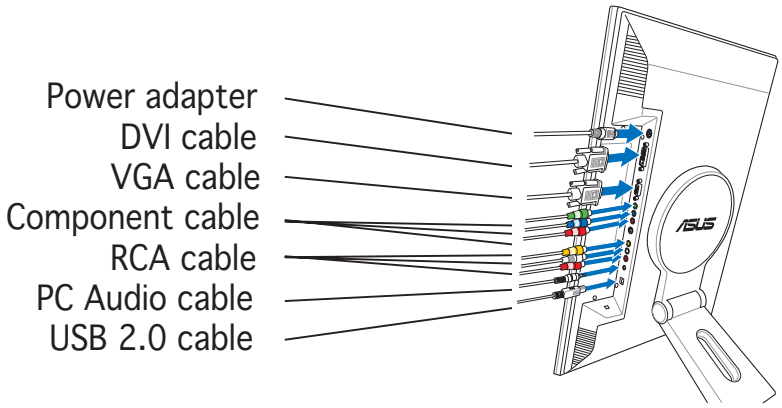


2. Turn the monitor 90° counterclockwise so you can clearly see the ports at the bottom of the rear panel.

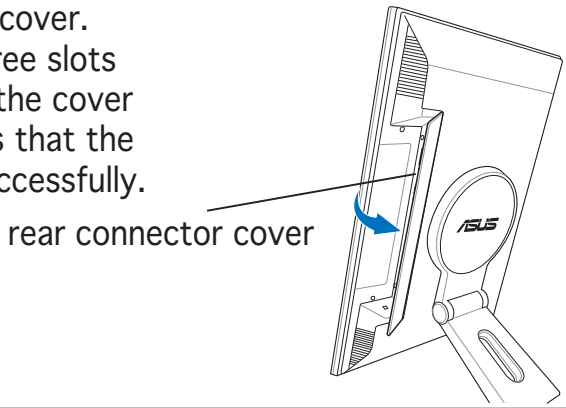



Front view Side view

3. Connect the cables as shown. Refer to the succeeding sections for detailed instructions.




4. Close the rear connector cover. Align the cover to the three slots near the ports and close the cover carefully. A click indicates that the cover has been closed successfully.




- A VGA cable, audio cable, and USB cable comprise the supplied VGA-audio-USB 3-in-1 cable.
- The component cable is purchased separately.

## 2.2.1 Connecting a computer equipped with a VGA/DVI port

1. Plug the VGA, audio, and USB connectors of the supplied 3-in-1 cable to the LCD monitor's VGA, Line-in, and USB ports respectively.
2. Connect the other ends of the supplied 3-in-1 cable to your computer's VGA, Line-out, and USB ports respectively.
3. Tighten the two screws to secure the VGA connector.
4. Connect one end of the supplied DVI cable to the LCD monitor, then connect the other end to your computer's DVI port.

When both the VGA and the DVI cables are connected, you can choose either VGA mode or DVI mode from the Input Select item of the OSD functions, or by using the hotkey on the front panel. See pages 1-3 and 3-4 for details.

### 2.2.2 Connecting a video equipment with Video (composite) or S-Video output ports such as a VCR, V8, or DV

1. Connect one end of the supplied RCA cable to the video and L/R Audio ports of the LCD monitor, then connect the other end to the video and Audio ports of your video equipment.
2. Connect one end of the S-Video cable to the LCD monitor's S-Video port, then connect the other end to the S-Video port of your video equipment.
3. Plug the red and white connectors of the supplied RCA cable to the LCD monitor's L/R Audio ports, then connect the other end to the  Audio ports of your video equipment.

### 2.2.3 Connecting a video equipment with component output ports, such as a DVD player or a satellite set-top box

1. Connect one end of the component cable to the component ports of the LCD monitor, then connect the other end to the component output ports of your video equipment.
2. Plug the red and white connectors of the supplied RCA cable to the LCD monitor's L/R Audio ports, then connect the other end to the Audio Line-out ports of your video equipment.

### 2.2.4 Connecting the power adapter

1. Connect the adapter cord securely to the monitor's DC-in port.
2. Connect the power cord to the adapter port with the other end to a power outlet.

## 2.3 Turning the monitor on

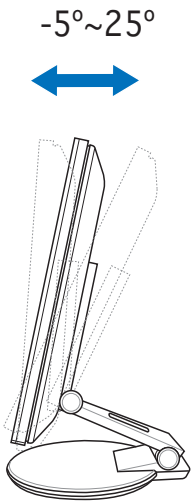
Gently touch the power sensor ⏻. See page 1-4 for the location of the power sensor. The power indicator ⏻ lights up in blue to show that the monitor is ON.

## 2.4 Adjusting the monitor

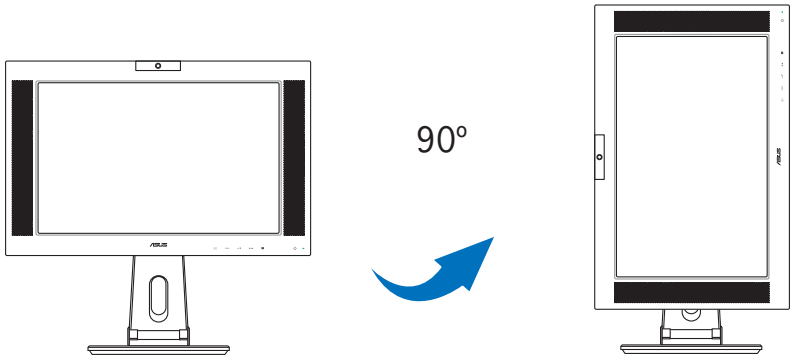
You can adjust the monitor to several directions as shown below.

- For optimal viewing, we recommend that you look at the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.

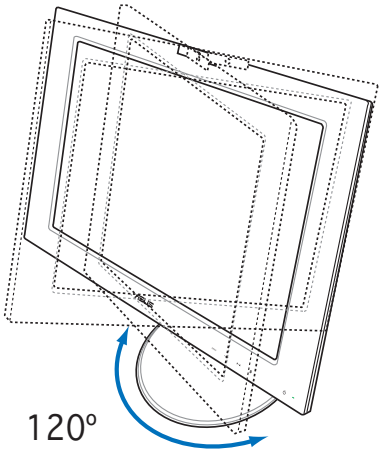
- You can adjust the monitor's angle from -5° to 25°.




- You can also turn the monitor 90° counterclockwise.



- The stand allows you to turn the monitor left/right up to 120°.



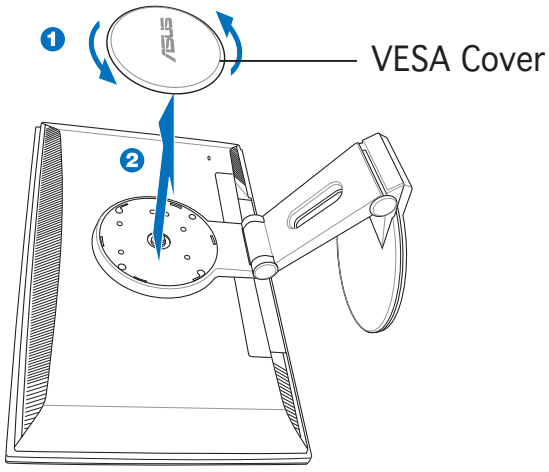

## 2.5 Detaching the stand (for VESA wall mount)

The detachable stand of the PW201 monitor is specially designed for VESA wall mount.

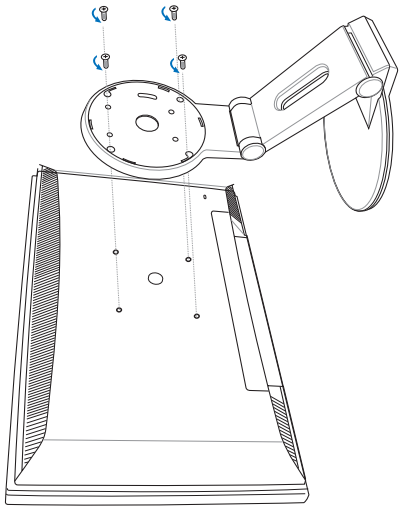
To detach the stand:

1. Turn the VESA cover counterclockwise to open it.
2. Remove the VESA cover from the stand.

Position the front of the monitor face down to make the detachment safer and easier. We recommend that you cover the surface with soft cloth to prevent damage to the monitor.



3. Use a screwdriver to remove the four screws on the monitor stand.



The VESA wall mount (100 mm x 100 mm) is purchased separately.

# Chapter 3

This chapter introduces the operating instruction, including how to use the OSD (On-Screen Display) menu and activate the Pivot®Pro and LifeFrame utilities.

# General Instruction

# 3.1 OSD (On-Screen Display) menu

## 3.1.1 Configuring the OSD

1. Touch the MENU sensor to activate the OSD menu.
2. Touch +/▲ and −/▼ to navigate through the functions. Highlight and activate the desired function by touching the MENU sensor. If the function selected has a sub-menu, touch +/▲ and −/▼ again to navigate through the sub-menu functions. Highlight and activate the desired sub-menu function by touching the MENU sensor.
3. Touch +/▲ and −/▼ to change the settings of the selected function.
4. To exit the OSD menu, touch the S sensor. Repeat step 2 and 3 to adjust any other function.

## 3.1.2 OSD Function Introduction

1. **Spendid**

   This function contains five sub-functions you can select for your preference.

- **Scenery Mode.** Advance for scenery use with SPLENDID™ Video Enhancement.
- **Standard Mode.** Advance for general Window use with SPLENDID™ Video Enhancement.
- **Theater Mode.** Advance for movie use with SPLENDID™ Video Enhancement.
- **Game Mode.** Advance for game use with SPLENDID™ Video Enhancement.
- **Night View Mode**. Advance for dark-display use with SPLENDID™ Video Enhancement.

2. **Image**

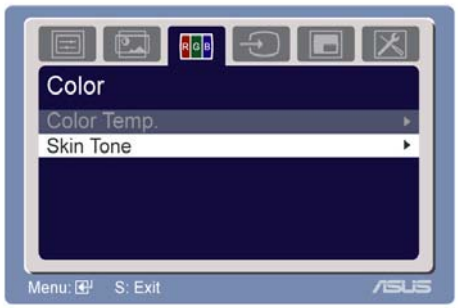
You can adjust brightness, contrast, sharpness, saturation, position (VGA only), and focus (VGA only) from this function.

- **Brightness.** The adjusting range is from 0 to 100.+/▲ is a hotkey to activate this function.
- **Contrast.** The adjusting range is from 0 to 100.
- **Sharpness.** The adjusting range is from 0 to 100.
- **Saturation.** The adjusting range is from 0 to 100.
- **Position.** Adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- **Focus.** Reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.

- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

3. **Color**

Select the image color you like from this function.




- **Color Temp.** Contains five color modes including Cool, Normal, Warm, sRGB, and User mode.
- **Skin Tone.** Contains three color modes including Reddish, Natural, and Yellowish.

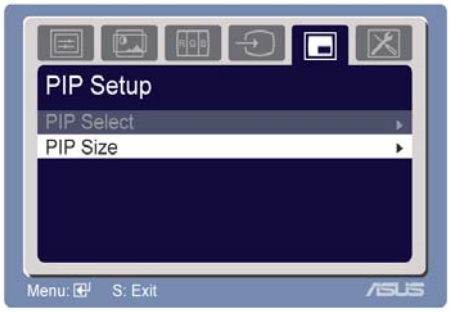
In the User mode, colors of R (Red), G (Green), and B (Bluee) are user-configurable; the adjusting range is from 0-100.

## 4. Input Select

- There are several input sources you can choose from.
- You can also use this function by touching the ⏎ sensor on the front bezel.

## 5. PIP Setup

- This Picture-in-Picture (PIP) function allows the LCD monitor to display two pictures at the same time. The table below shows the combination of Main PC modes and PIP inputs.
- Select the PIP input and adjust the size as needed.




### Main and PIP input combination matrix

| Main \ PIP | VGA | DVI | Video | S-Video | Component |
|---|---|---|---|---|---|
| VGA | | o | o | o | x |
| DVI | o | | o | o | o |
| Video | o | o | | x | o |
| S-Video | o | o | x | | o |
| Component | x | o | o | o | |

o: Supported

x: Not supported

6. **System Setup**

Allows you to adjust the system settings.

- **Volume.** The adjusting range is from 0 to 100. −/▼ is a hotkey to activate this function.
- **Aspect Controls.** In video mode, there are four kinds of settings which fit different situations: Normal, Panorama, Zoom, and Full.
- **OSD Setup.** Adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the OSD. The adjusting range is from 0 to 100. In the OSD Timeout selection, you can adjust the OSD timeout from 10 to 120.
- **Language.** There are eleven languages for your selection, including English, German, Italian, French, Dutch, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, and Korean.
- **Information.** Shows the monitor information.
- **Reset.** "Yes" allows you to revert to the factory defaults. "No" allows you to keep the current state.

## 3.2 Pivot®Pro software

Pivot®Pro is a software that is designed for rotatable monitors. With this software, you can rotate the image by 90°, 180°, and 270° to meet the orientation of the monitor.

- Before starting to use this software, install Pivot®Pro into your PC.
- The Pivot®Pro software is bundled in the support CD.

### To install the Pivot®Pro software:

1. Close all other applications first.
2. Make sure your graphics card manufacturer's (native) drivers are installed before you install the Pivot®Pro software.
3. Insert the support CD into the optical drive and run the START_PIVOT program.

After the installation, you can set up hotkeys for different rotation degrees by pressing the right mouse button -->enter Properties --> Settings --> Advanced -->Pivot Software -->Hotkeys.

The default hotkeys for each degree are as follows:

Rotate - Ctrl + Shift + R
0° - Ctrl + Shift + 0
90° - Ctrl + Shift + 9
180° - Ctrl + Shift + 8
270° - Ctrl + Shift + 7

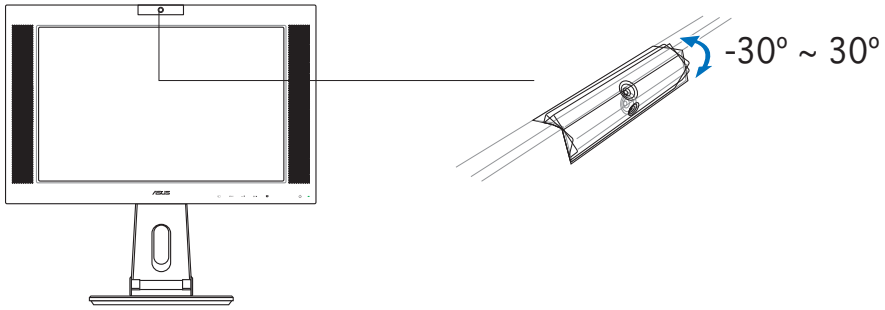
- For more information or help, go to www.portrait.com.
- This software only supports Windows® 98SE, ME, NT 4.0, 2000, and XP operating systems.

## 3.3 Using the built-in webcam

This built-in webcam allows you to take photos and make videos; while talking to friends via Internet-based communication tools, you can use the webcam to show your vivid image.

### 3.3.1 Hardware

- The 1.3 megapixel webcam transmits images to your PC through the USB ports. Therefore, make sure that you have connected the USB plugs of the supplied 3-in-1 cable before you use the webcam.
- The webcam is adjustable upward and downward as shown.




Do not turn the webcam upward or downward over 30°; doing so might damage the webcam.

### 3.3.2 Software

**To install the webcam driver:**

1. Close all other applications first.
2. Insert the support CD into the optical drive and run the **ASUS USB2.0 Webcam** program.

The default webcam resolution is 640 x 480. If you want to change the default resolution to meet different kinds of application programs, go to **C:\WINDOWS\ASUS USB2.0 Webcam** and activate the program named LifeCam to modify the settings based on your needs.

- The webcam captured video format is VGA (640 x 480) mode in order to increase the transmission efficiency via all kinds of Internet commmunication tools.
- Before using the webcam, you need to install the webcam driver into your PC.
- The webcam driver only supports Microsoft® Windows 2000/XP operating system with Microsoft® Direct X.

# 3.4 LifeFrame software

## 3.4.1 Introduction and installation instructions

To capture snapshots or video clips, ASUS PW201provides an easy-to-use LifeFrame that can work with the built-in webcam, allowing users to create their own photos or video clips.

- LifeFrame only supports Microsoft® Windows® 2000/XP operating systems.
- Before starting to use this software, install LifeFrame into your PC.
- The LifeFrame software is bundled in the PW201 support CD.

### System requirements are as follows:

1. A personal computer with Pentium® III 800 MHz or higher processor
2. Microsoft® Windows® 2000/XP operating systems
3. Minimum 200 MB free hard disk space to run the program
4. 128 MB of RAM or above
5. A display card supporting 16-bit high color mode

### Installation instructions:

1. Close all other applications.
2. Insert the support CD into the optical drive and run the LifeFrame program.
3. Follow the on-screen instructions to complete the installation

Make sure that you connect the USB plug of the supplied 3-in-1 cable to the USB port at the back of the LCD monitor; otherwise, the built-in webcam and LifeFrame will not be activated.

## 3.4.2 Main screen

The main screen shows the following function areas:

**Click the top minimize/maximize button to switch modes between 320x240 and 480x360.**

1. **Preview window**. Previews a snapshot or video clips. See section 3.4.3 for details.
2. **Status bar**. Shows the status and information of capture/preview mode. See section 3.4.4 for details.
3. **Operation area.** Provides the operation functions:
   - **Side section:** enhance, effects, setup
   - **Bottom section:** voice switch, video mode, record/stop, snapshot mode, continue capture, interval capture, auto motion detective capture
4. **Image display area.** Displays a snapshot and video clips, saved as thumbnails listed in descending order according to image creation time.
5. **Application area**. Allows you to perform the following functions on your saved images: mode switch, email, save, and delete. Refer to the next page for details.

**Switch mode**- click to switch between playback/capture modes.

**Email**- open a new mail, add the image or video file you would like to send as an attachment.

**Save as**- save thumbnails to a folder.

**Trash**- click the thumbnail you wish to delete, then click "Trash" You can select multiple files to delete.

## 3.4.3 Preview mode

### For snapshot

Click the thumbnail you wish to preview.

### Viewing video clips

1. Click the movie recorder icon on the lower right corner.
2. Click the thumbnail to preview.
3. Buttons will appear. Use these buttons to play the video.

pause play stop progress

## 3.4.4 Status bar

The status shows the following information.

### Capture mode/preview mode

**Video:** resolution, date, capture (playing) time/size, HD space/file size

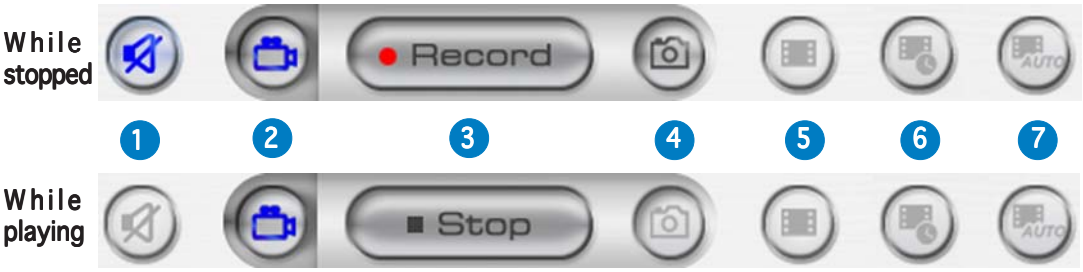
**Snapshot:** resolution, date, HD space/file size

## 3.4.5 Operating area

### Side section

- Enhance
- Effects
- Setup

### Bottom section

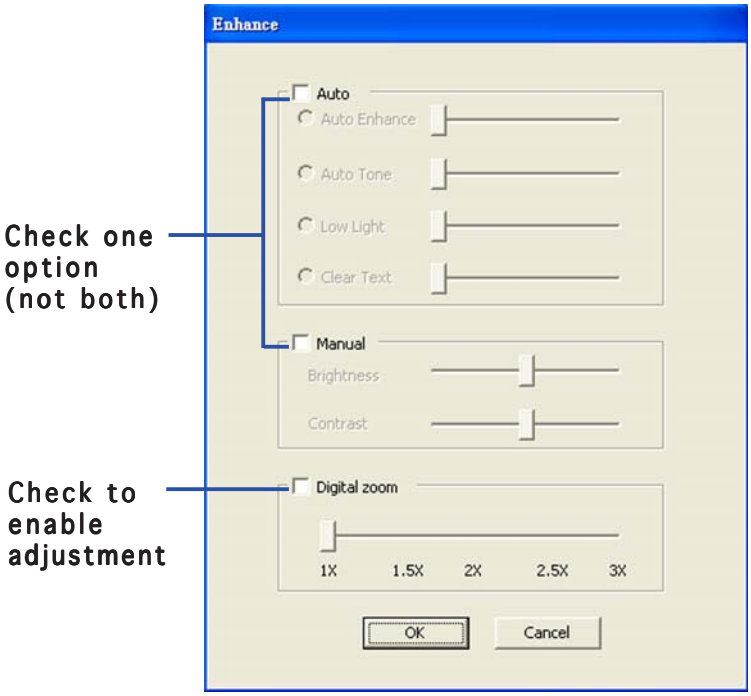



1. **Mute.** Disables voice recording
2. **Video mode.** Switches the mode to recording
3. **Record.** Starts recording/capturing
   **Stop.** Stops recording/capturing
4. **Snapshot mode.** Switches from Video Mode to Snapshot Mode
5. **Continue capture.** Click “Record” when ready
6. **Interval capture:** Click “Record” to start, “Stop” to end
7. **Auto motion detection capture.** Click “Record” to start, “Stop” to end

- To add sound to your video clips, ensure that you connect a microphone to your PC.
- The microphone is purchased separately.

## 3.4.6 Enhance

There are several options to enhance the quality of your captures.




**Auto.** Auto Enhance, Low Light, Auto Tone, Clear text (white board)

**Manual.** Allows you to adjust the Brightness and Contrast manually.

**Digital Zoom.** 1x to 3x, in 0.5 increments

**Click OK to save settings.**

## 3.4.7 Effects

Enrich your images with special effects.

**PhotoFrame.**

**Spotlight.**

**BlackWhite.**

**Sepia.**

**Negative.**

**Emboss.**

**Fisheye.**

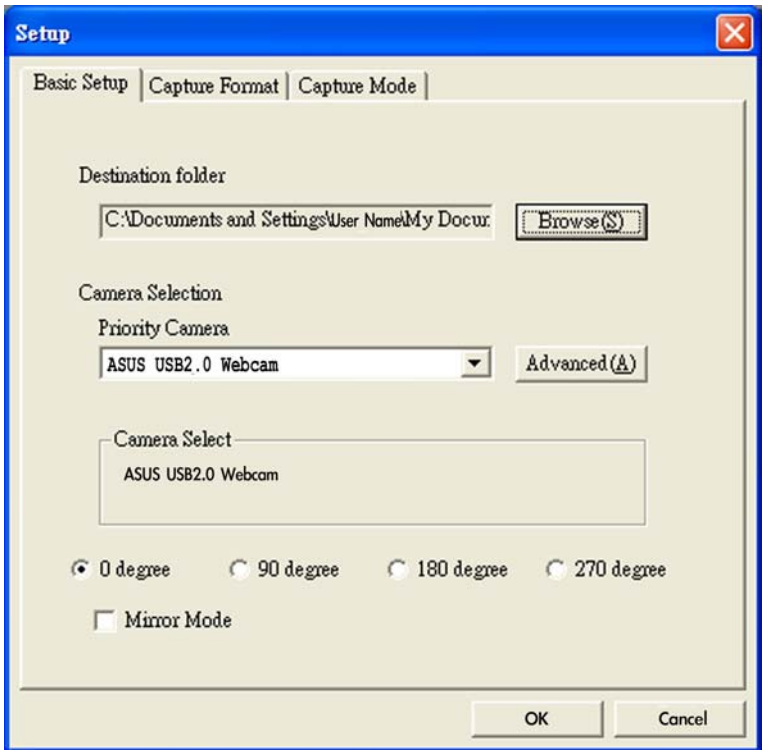
**Snow.**

**No Effect.** Click "No Effect" to cancel the chosen effects.

**Click OK to save settings.**

## 3.4.8 Setup - basic setup

There are three pages: Basic Setup, Capture Format, and Capture Mode.




**Destination Folder.** Click "Browse" to choose the folder for saving files.

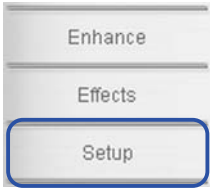
**Camera Selection.** The priority camera is set as ASUS USB2.0 webcam.

**Advanced.** Click "Advanced" for further information of webcam setting.

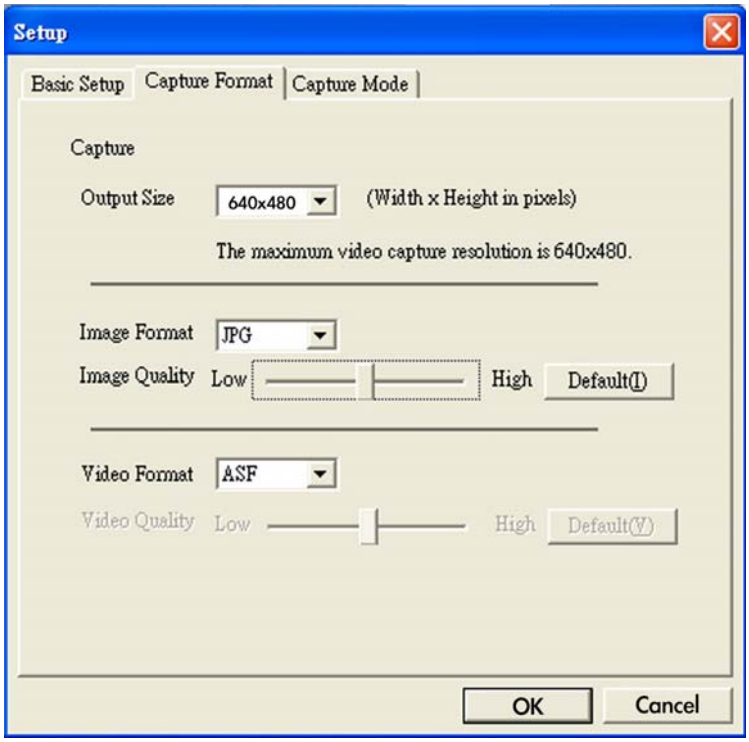
**Picture change mode.** This function provides mirror mode and four kinds of picture rotating angles.

**Click OK to save settings.**

## 3.4.9 Setup - capture format




Many options for output size, image format/quality, and video format/quality.




**Output Size.** Allows you to choose the resolution you need: 160x120, 176x144, 320x240, 352x288, 640x480, 1280x1024

**Image Format.** Allows you to choose the image format: BMP, JPG

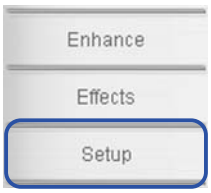
**Image Quality.** Use the scroll bar to adjust the image quality.

**Video Format.** Allows you to choose the video format: AVI, ASF, WMV

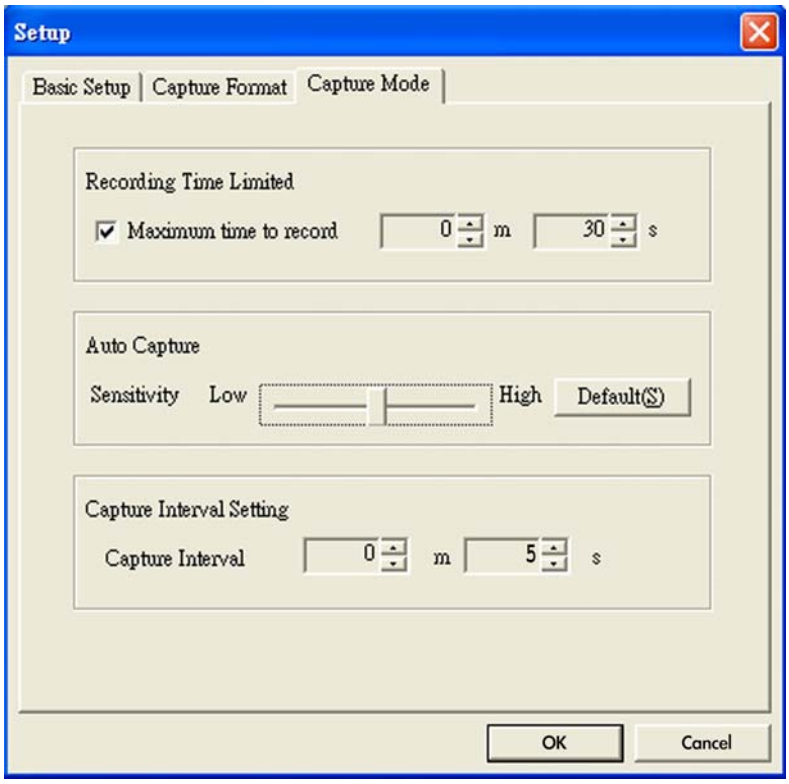
**Video Quality.** Use the scroll bar to adjust the video quality.

**Click OK to save settings.**

## 3.4.10 Setup - capture mode




You can adjust the capture mode with the following three items: recording time limited, auto capture sensitivity, and capture interval setting.




**Recording Time Limited.** Check the box for setting the recording time, the maximum will be 120 minutes; default maximum time limit is 30 seconds. One single file size should not be bigger than 2 GB.

**Auto Capture.** Use the scroll bar to adjust the sensitivity of motion detect.

**Capture Interval Setting.** Allows you to adjust the capture interval; the default value is 5 seconds.

**Click OK to save settings.**

# 3.5 Troubleshooting (FAQ)

| Problem | Possible Solution |
|---|---|
| Power LED is not ON | • Touch the ⏻ sensor to check if the monitor is in the ON mode.<br>• Check if the power cord is properly connected to the monitor and the power outlet. |
| The Power LED lights amber and there is no screen image | • Check if the monitor and the computer are in the ON mode.<br>• Make sure the signal cable is properly connected the monitor and the computer.<br>• Inspect the signal cable and make sure none of the pins are bent.<br>• Connect the computer with another available monitor to check if the computer is properly working. |
| Screen image is too light or dark | • Adjust the Contrast and Brightness settings via OSD. |
| Screen image is not centered or sized properly | • Touch the S sensor for two seconds to automatically adjust the image.<br>• Adjust the H-Position or V-Position settings via OSD. |
| Screen image bounces or a wave pattern is present in the image | • Make sure the signal cable is properly connected to the monitor and the computer.<br>• Move electrical devices that may cause electrical interference. |
| Screen image has color defects (white does not look white) | • Inspect the signal cable and make sure that none of the pins are bent.<br>• Perform Reset via OSD.<br>• Adjust the R/G/B color settings or select the Color Temperature via OSD. |
| Screen image is blurry or fuzzy | • Touch the S sensor for two seconds to automatically adjust the image.<br>• Adjust the Phase and Clock settings via OSD. |
| No sound or sound is low | • Ensure that the audio cable is properly connected to the monitor and the computer<br>• Adjust the volume settings of both your monitor and computer.<br>• Ensure that the computer sound card driver is properly installed and activated. |
| Pivot is not working | • Ensure that the Pivot®Pro software is installed in your PC.<br>• Make sure that your PC operating system complies Windows® 98SE, ME, NT 4.0, 2000, and XP. |
| Webcam is not working | • Ensure that you install the webcam driver which is in the support CD.<br>• Make sure that your connect the USB plugs of the supplied 3-in-1 cable to both the LCD monitor and your computer. |
| USB devices work abnormally | • Make sure that you connect the USB plugs of the supplied 3-in-1 cable to both the LCD monitor and your computer.<br>• Check with your PC manufacturer whether your PC supports USB2.0 or USB1.1.<br>• If your PC only supports USB1.1, the image transmission is much slower. |

## 3.6 PW201 specification summary

| | |
|---|---|
| Panel Type | TFT LCD (Anti-Reflection Glare Panel) |
| Panel size | 20” Wide Screen |
| Max. Resolution | WSXGA + 1680 x 1050 |
| Piixel pitch | 0.258 mm |
| Brightness (Typ.) | 300cd/$m^2$ |
| Contrast Ratio (Typ.) | 800:1 |
| Viewing angle(H/V) | 176°/176° |
| Display colors | 16.7M |
| Response time | 8 ms (Grey to Grey) |
| ZBD (Zero Bright Dot) | Yes |
| SPLENDID™ Video Enhancement | Yes |
| Splendid selection | 5 Video Preset Modes (by S hotkey) |
| Auto adjustment | Yes (by S hotkey) |
| Color temperature selection | Cool/Normal/Warm/sRGB/User Mode |
| Skin-Tone selection | 3 Skin-Tones |
| DVI port | 24-Pin DVI-D |
| VGA port | 15-Pin D-Sub |
| USB 2.0 ports | Upstream x 1, Downstream x 3 |
| Video Inputs | Composite x 1, S-Video x 1, Component x 1 |
| Audio Input | L/R x 1 (1.5 Vp-p) |
| Picture in Picture (PIP) | Yes |
| 1.3 mega-pixel Webcam | Yes (USB2.0 Interface) |
| PC Line-in port | 3.5 mm Mini-jack |

*(continued on the next page)*

| | |
|---|---|
| Headphone port | 3.5 mm Mini-jack |
| Colors | Silver + Black |
| Speaker (Built-in) | 3W x 2 Stereo |
| Power LED | Blue (ON)/ Amber (Stand-By) |
| Tilt | +90°~-5° |
| Swivel | +60°~-60° |
| Pivot | 0° / 90° (Counterclockwise) |
| Height adjustment | Yes |
| VESA wall mount | 100 x 100 mm |
| Kensington lock | Yes |
| Power source | AC: 100~240V 50Hz/60Hz |
| Power consumption | Power On: < 80W, Standby: < 2W,<br>Power Off: < 1W |
| Net weight | 9.7 Kg (approx.) |
| Dimension | 560 mm (W) x 496 mm (H) x 280 mm (D) |
| Multi-languages | English, German, Italian, French, Dutch, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, Korean |
| Accessories | VGA-Audio-USB 3-in-1 cable, DVI cable, Power adapter, Power Cord, RCA cable, Support CD (User Guide, Pivot® Pro, LifeFrame), Quick Start Guide, Warranty Card (optional) |
| Regulations approval | Energy Star®, UL/cUL, CB, CE, FCC, CCC, BSMI, Gost-R, C-Tick, VCCI, RoHS, MIC |

* Specifications are subject to change without notice.

## 3.7 Supported operating modes

| Standard | Resolution | Horizontal Frequency | Vertical Frequency | Pixel Frequency |
|---|---|---|---|---|
| DOS | 720 x 400 | 31.47KHz | 70Hz | 28.32MHz |
| VGA | 640 x 480 | 31.47KHz | 60Hz | 25.18MHz |
| | 640 x 480 | 37.90KHz | 72Hz | 31.50MHz |
| | 640 x 480 | 37.50KHz | 75Hz | 31.50MHz |
| SVGA | 800 x 600 | 35.16KHz | 56Hz | 36.00MHz |
| | 800 x 600 | 37.90KHz | 60Hz | 40.00MHz |
| | 800 x 600 | 48.10KHz | 72Hz | 50.00MHz |
| | 800 x 600 | 46.90KHz | 75Hz | 49.50MHz |
| XGA | 1024 x 768 | 48.40KHz | 60Hz | 65.00MHz |
| | 1024 x 768 | 56.50KHz | 70Hz | 75.00MHz |
| | 1024 x 768 | 60.02KHz | 75Hz | 78.75MHz |
| SXGA | 1280 x 1024 | 64.00KHz | 60Hz | 108.00MHz |
| | 1280 x 1024 | 80.00KHz | 75Hz | 135.00MHz |
| VESA | 1152 x 864 | 67.50KHz | 75Hz | 108.00MHz |
| VESA | 1440 x 900 | 55.94KHz | 60Hz | 106.00MHz |
| VESA (Primary) | 1680 x 1050 | 65.29KHz | 60Hz | 146.25MHz |

*** Modes not listed in the table may not be supported. For optimal resolution, we recommend that you choose a mode listed in the table above.**